

# Hong Kong Physics Olympiad 2011

## 2011 香港物理奧林匹克

### Details and Regulations 比賽詳情及規則

(Schools should make a copy of this "Details and Regulations" to each student nominee for reference.) (請學校複印此"比賽詳情及規則"並派發給每位獲提名的學生，以供參考。)

1. **Date** 舉行日期 : 19 Mar 2011 (Saturday) 二零一一年三月十九日 (星期六)
2. **Time & Venue** 時間及地點 : To be announced 稍後公布
3. **Notes on Nomination** 提名須知 :
  - 3.1. Each secondary school can nominate **FOUR S4 or below students for Junior Level contest** and **FOUR S5 students for Senior Level contest**<sup>1</sup>. Unless notified otherwise, all nominees are accepted in principle. 每所中學可提名**四名中四或以下學生參加初級組比賽**及**四名中五學生參加高級組比賽**<sup>1</sup>。獲學校提名的所有學生原則上已被接納參加比賽。
  - 3.2. The age of the nominated students should not exceed twenty years, as of June 30, 2012 and will still be secondary school students in Hong Kong in the school year 2011/12. 所有獲提名學生均須於**2012年6月30日前未達二十歲**，並於2011/12學年仍就讀於香港的中學。
  - 3.3. Results of applications, Participant ID Number of contestants and other details will be released **after 5:00pm on 4 March 2011 (Fri) on the website of The Hong Kong Academy for Gifted Education (HKAGE) (<http://www.hkage.org.hk>)**. School principals, teachers and students concerned should take the initiative to check the details. **No further notification will be given.** 報名結果、學生參賽編號及其他有關詳情，將於**2011年3月4日(星期五)下午5:00後在香港資優教育學院網頁(<http://www.hkage.org.hk>)公布**，校長、教師及相關學生屆時須自行上網查閱詳情，恕不另函通知。
  - 3.4. School participating in the event is also requested to nominate a teacher-in-charge to coordinate the event. The teacher-in-charge may be invited to participate in the follow-on professional development programmes. 參賽學校須委派一名負責教師協助統籌學生參賽。負責教師將有機會獲邀參加相關的培訓活動。
4. **Mode of Competition** 比賽形式 :
  - 4.1. Both junior and senior level contests will be held on the same day. Each contest comprises a three-hour written test. 初級組及高級組比賽將於同日進行。每組比賽均以筆試形式進行，限時三小時。
  - 4.2. Contestants are not allowed to leave within the first 90 minutes and the last 15 minutes of the contest. Consent of the invigilators must be obtained for early leave. 參賽學生於比賽開始後的首90分鐘及比賽完結前的15分鐘均不得早退。早退的參賽學生均須獲得監考員的允許方可離開比賽場地。
  - 4.3. Those who arrive at the designated venue 30 minutes after the starting time of the competition will be disqualified and not be allowed to enter the venue. 以比賽開始時間計算，遲到超過三十分鐘者將不能進場參賽，並會被取消資格。

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<sup>1</sup> A series of enhancement programmes with duration of around a year, as follow-on training for the International Physics Olympiad, will be arranged for the high-achieving students in both contests. 在每組比賽中表現優異的學生將獲安排參加為期約一年的物理培訓。

- 4.4. There will be multiple-choice and open-ended questions in bilingual versions. Contestants should answer all the questions, either in Chinese or in English. 試題分為選擇題及開放式問答題，題目中英對照，參賽學生可選擇以中文或英文作答，但必須解答全卷所有題目。
- 4.5. Contestants should present the solutions clearly when solving open-ended questions. 作答開放式問答題時，參賽學生須清楚交代解題步驟。
- 4.6. The multiple-choice questions aim at assessing the contestants' basic knowledge in physics. As such, only those who rank high in the top 30% in the multiple-choice section are eligible for consideration of prize award. 選擇題旨在評估參賽學生的物理學基礎知識。於選擇題部分取得分數最高的 30% 參賽學生才可角逐獎項。
- 4.7. For details of questions and solutions of past years, please visit the HKAGE website <http://www.hkage.org.hk>. 有關歷屆比賽試題和題解，請瀏覽香港資優教育學院網頁 <http://www.hkage.org.hk>。

## 5. Notes on Competition 比賽須知：

- 5.1. Questions set will mainly base on HKCEE physics curriculum, but will also cover other topics. For the scope of the competition, please visit the HKAGE website <http://www.hkage.org.hk>. Besides, contestants are suggested to read "Physics Enhancement Programme – Student Self-learning Booklet" for further reference. 題目主要以中學會考物理課程為基礎，亦會涉及其他範疇。有關比賽範圍，請瀏覽香港資優教育學院網頁 <http://www.hkage.org.hk>。此外，參賽學生可參考《物理培訓課程 – 學生自學冊》。
- 5.2. Calculators that are permitted in The Hong Kong Examinations and Assessment Authority can be used for the event. Measuring instruments like rulers, compasses, etc. can also be used. 比賽時，學生可使用香港考試及評核局所認可型號的計算器。直尺、圓規及其它量度工具亦可作輔助之用。
- 5.3. NO equations/formulae will be provided. 試卷並不提供任何方程式或公式。
- 5.4. Contestants must report to the designated venue in school uniform punctually and bring along their Hong Kong Identity Cards. Those who failed to comply may risk disqualification. 參賽學生須準時於比賽當日到達比賽場地報到，並必須穿著整齊校服及帶備「香港身份證」，否則其參賽資格會被取消。
- 5.5. Any changes in the regulations will be announced on the day of the event. 賽例如有更改，將於比賽當天公佈。
- 5.6. Queries should reach the officer-in-charge immediately after the event. The decision of the HKPhO Committee will be final. 如有疑問，參賽學生須於比賽完畢後，立即向會場主任提出。香港物理奧林匹克委員會有最終的裁決權。
6. There will be individual First, Second and Third Honours together with Honorable Mention. There are also Outstanding Performance Awards and Best School Awards. 本賽事設有個人一等獎、二等獎、三等獎及優異獎。另設傑出表現獎及學校最佳表現獎。
7. Results and details of the Prize Giving Ceremony will be released in April 2011 through the HKAGE website (<http://www.hkage.org.hk>). Students are advised to refer to the website regularly. 比賽結果及頒獎禮詳情將於 2011 年 4 月在香港資優教育學院網頁 (<http://www.hkage.org.hk>) 發放。學生應經常瀏覽該網頁。
8. High-achieving contestants who are qualified for the follow-on enhancement training programmes will be informed of the arrangement on a later date. 合資格參加賽後的增益培訓活動的獲獎學生，將獲通知有關的安排。
9. For enquiries, please contact Mr John KU on 3698 3500 / Ms Stella CHU on 3698 3497 or by email to [sps@hkage.org.hk](mailto:sps@hkage.org.hk). 如有任何查詢，請致電 3698 3500(顧先生)/ 3698 3497(朱小姐)或電郵至 [sps@hkage.org.hk](mailto:sps@hkage.org.hk)。